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A NEW SPECIES OF CRITONIA (ASTERACEAE, EUPATORIEAE) FROM GUERRERO, MEXICO

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ABSTRACT

A new subarboreal species of *Critonia*, *C. paneroi* B.L. Turner, is described and illustrated from Guerrero, México. It is seemingly most closely related to the Central American *C. belizeana* B.L. Turner, but differs by numerous characters.

KEY WORDS: Asteraceae, Eupatorieae, Critonia, México, Guerrero

The following novelty was called to my attention by its primary collector, who suspected that it might be undescribed.

CRITONIA PANEROI B.L. Turner, spec. nov. Figure 1. TYPE: MEXICO. Guerrero: 25 km al s de Carrizal de Bravo sobre la carretera a Puerto del Gallo, 2400 m, 7 Mar 1994, José L. Panero 3950, with Ismael Calzada (HOLOTYPE: MEXU; Isotype: TEX!).

Similis *Critoniae belizeanae* B.L. Turner sed est arbor parva 5-7 m alta (vice fruticis parvi 1-2 m alti) habens involucra parviora (7-9 mm alta vice 14-15 mm) osculosque pauciores (4-5 vice 10 aut pluriorum).

Small tree 4-7 m high. Stems terete, minutely pubescent at first, glabrate with age. Leaves opposite, those 2-3 nodes below the capitulescence 15-20 cm long, 7-9 cm wide; petioles 2-3 cm long; blades ovate, drying blackish-green (even with standard drying procedures), at maturity glabrous above and below or nearly so, the margins obscurely crenulodentate. Capitulescence a broadly rounded terminal corymbose panicle, 15-20 cm high, 20-25 cm across, the ultimate peduncles hispidulous, 1-5 mm long. Involucres turbocampanulate, 7-9 mm high, 3-4 mm wide (pressed); bracts 4-5 seriate, markedly graduate, persistent, the inner series subscarious, 3-nervate, their apices broadly obtuse to rounded. Receptacle ca. 0.3 mm across, naked, glabrous. Florets 4-5 per head. Corollas white, 7-8 mm long, glabrous, the tubes 3-4 mm long,

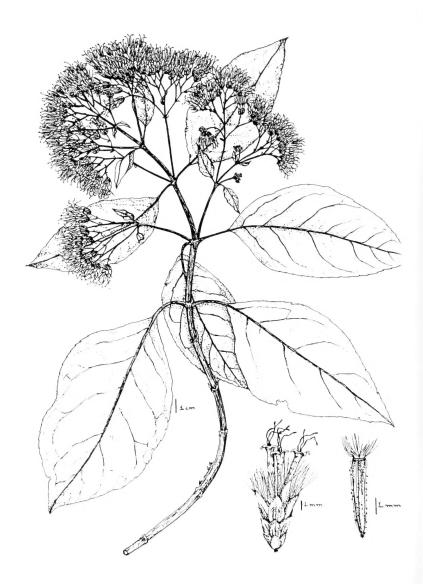


Figure 1. Critonia paneroi, from isotype (TEX).

gradually grading into the throats; lobes 5, deltoid, 0.3-0.5 mm long. Anther appendages broadly ovate, relatively thin, ca. 0.35 mm long, 0.2 mm wide. Style branches linear-oblanceolate, smooth, widest at or near the apices. Achenes 4.0-4.5 mm long, brown, 4-5 ribbed, atomiferous-glandular throughout, the carpopodium weakly developed, if at all; pappus of 40-50 white uniseriate bristles 3-5 mm long.

Critonia paneroi is a very distinctive Mexican species, especially notable for its subarboreal habit; peculiar leaves, which when fresh are described on the label as "verde obscuro y brillante"; and large markedly graduate involucres each having only 4ñ5 florets. It is seemingly most closely related to the recently described C. belizeana, but differ in a number of characters, the most notable called to the fore in my Latin diagnosis.

It is a pleasure to name this striking taxon for its primary collector, Prof. José Panero, a newly appointed colleague in the Botany Department at the University of Texas, Austin, whose long-time interest in the Asteraceae of Latin America is well known.

ACKNOWLEDGMENTS

I am grateful to Gayle Turner for the Latin diagnosis, and to her and Tom Wendt for reviewing the paper.

INDEX TO PHYTOLOGIA VOLUMES 16-20

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ABSTRACT

A summary of taxonomic citations found in *Phytologia* is made in order to facilitate searching for references to particular plants in the journal. The taxon index for the first volume of *Phytologia* included entries at the species level and above. However, indices for volumes 2 through 67 included entries only at the genus level and above. The present summary of taxon citations includes all citations from volumes 16 through 20. Later summaries will include the remaining volumes through volume 67. Boldface entries indicate that the taxon was originally described or a new combination produced on the indicated page.

KEY WORDS: Taxonomic index, new taxa, nomenclature

Taxonomic citations from volumes 16 through 20 are listed alphabetically. Boldface entries indicate that the taxon was originally described or a new combination produced in volumes 11 through 15 of *Phytologia*.

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